

## FERTILIZER TESTS FOR TOBACCO CULTURE

W. R. W. M. HINSON OF THE AGRICULTURAL DEPARTMENT GIVES VALUABLE INFORMATION ON

### Combination of Fertilizers

Data Derived From Tests Made Near This City, Giving Fertilizer Used and Yields Resulting. Government Will Furnish Seed.

The following information has been furnished the Herald by Mr. W. M. Hinson, expert tobacco man, working under the direction of the United States Agricultural Department:

During the field season of 1908 some experiments were carried on at Mr. Cunningham's tobacco plantation near Palestine by the Bureau of Plant Industry, United States Department of Agriculture, in order to test the effect of different combinations of fertilizers upon the yield and quality of filler and wrapper tobaccos.

For the filler experiment, one-half acre of Orangeburg sandy clay loam was selected, and divided into ten plots of one-twentieth of an acre each. These plots were planted in seed of the best strain of Cuban filler type, acclimated to Texas conditions.

The fertilizers used, and yield, were as follows:

Plot 1. One ton stable manure. Cost per acre, \$33.00. Yield per acre, 720 pounds.

Plot 2. One hundred pounds cotton seed meal. Cost per acre, \$25.00. Yield per acre, 980 pounds.

Plot 3. Fifty pounds cotton seed meal, ten pounds sulphate of potash, ten pounds acid phosphate. Cost per acre, \$22.00. Yield per acre, 820 pounds.

Plot 4. Fifteen pounds acid phosphate. Cost per acre, \$3.75. Yield per acre, 400 pounds.

Plot 5. One hundred pounds cotton seed meal, 7.12 pounds nitrate of soda. Cost per acre, \$31.00. Yield per acre, 1080 pounds.

Plot 6. Seventy-five pounds cotton seed meal, ten pounds phosphate of potash, twenty-five pounds bone meal. Cost per acre, \$32.00. Yield per acre, 1060 pounds.

Plot 7. Seventy-five pounds cotton seed meal, ten pounds nitrate of soda, twenty-five pounds bone meal, ten pounds acid phosphate. Cost per acre, \$35.60. Yield per acre, 1220 pounds.

Plot 8. No fertilizer on this plot. Yield per acre, 420 pounds.

Plot 9. Twenty-five pounds nitrate of soda, ten pounds sulphate of potash. Cost per acre, \$22.50. Yield per acre, 650 pounds.

Plot 10. One hundred pounds cotton seed meal, fifteen pounds lime, fifteen pounds acid phosphate, ten pounds sulphate of potash. Cost per acre, \$38.80. Yield per acre, 945 pounds.

Total cost of fertilizer per acre, \$24.36. Total average yield per acre, 828 pounds.

For the Sumatra wrapper experiment, five-fourths of an acre of Orangeburg sandy loam was selected under flat shade, and divided into five plots, each plot being one-fourteenth of an acre. These plots were planted in Sumatra seed, a strain of cigar leaf wrapper tobacco that had been acclimated to Texas conditions.

The fertilizers used, and yield, were as follows:

Plot 11. One hundred pounds cotton seed meal, three-fourths of a ton of stable manure, twenty pounds nitrate of soda. Cost per acre, \$44.38. Yield per acre, 910 pounds.

Plot 12. One hundred pounds cotton seed meal, three-fourths of a ton of stable manure, ten pounds nitrate of soda, twenty pounds sulphate of potash. Cost per acre, \$47.88. Yield per acre, 952 pounds.

Plot 13. One hundred pounds cotton seed meal, three-fourths of a ton

stable manure, fifty pounds bone meal. Cost per acre, \$42.00. Yield per acre, 938 pounds.

Plot 14. One hundred pounds cotton seed meal, three-fourths of a ton stable manure, fifty pounds bone meal, thirty pounds lime. Cost per acre, \$46.00. Yield per acre, 952 pounds.

Plot 15. One hundred pounds cotton seed meal, three-fourths of a ton stable manure, ten pounds nitrate of soda, fifty pounds bone meal, thirty pounds lime, five pounds acid phosphate, twenty pounds sulphate of potash. Cost per acre, \$61.75. Yield per acre, 1033 pounds.

Total cost of fertilizer per acre, \$48.40. Total average yield per acre, 959 pounds of tobacco.

**Summary.**  
In connection with the filler experimental plots, it will be stated that this tobacco was transplanted to the field the last week in April, and on the 13th of May we had a very heavy rain storm, with some hail, which damaged these plots to the extent that the tobacco was cut down and a sucker allowed to grow. The weather conditions being favorable at this time, the plants got a good start, and when the tobacco was ready for harvesting no one could tell that the plants had ever been cut back; the uniformity of the plants was fine. The shade plots, however, were not damaged by hail, and the plants were not cut back, still they were stunted by the heavy rainfall and did not make as rapid a growth as they probably would if the conditions had been uniform. However, the conditions were uniform on all plots, and did not affect the relative yields from the different combinations of fertilizers.

Respectfully submitted,  
W. M. Hinson,  
Crop Technologist.

The Herald is advised that the government will next year furnish seed to the planters of this section who care to engage in tobacco growing and that men will be retained here to advise with them in growing the crop, giving such advice as is needed, etc. The government will also continue its experiments.

### ISSUES A SWEEPING ORDER.

New Quarantine Proclamation Supposed to Include Tuberculosis.

Austin, Texas, Nov. 14.—The governor this afternoon issued a quarantine proclamation, effective tomorrow, declaring a rigid quarantine against persons infected or liable to be infected with smallpox, yellow fever, cholera, typhus fever, bubonic plague or other communicable diseases either within or without the state of Texas. This is a radical departure from any previous quarantine ever issued by the state, and while it is not expressly mentioned it is understood "other communicable diseases" means persons affected with tuberculosis. The state health officer is directed to establish and maintain local quarantine in all cities, counties and towns in the state where these diseases exist. This is also the first time that quarantine has been established against persons infected with typhus fever. The governor in this proclamation revokes, the maritime quarantine against ports south of 25 degrees north latitude.

### WEATHER FORECAST.

Published By Authority of the Secretary of Agriculture.

(Issued at New Orleans.)

For Palestine and vicinity:  
Tonight and Tuesday fair weather. Stationary temperature.  
Minimum temperature, 40.  
Maximum temperature, 58.

### Weather Conditions.

A barometric depression is over the lake region, attended by light precipitation; its trough extends westward and includes Minnesota and North Dakota; it has raised the temperature in the Ohio and Tennessee valleys above freezing, and will likely warm up over the North Atlantic states Tuesday. The high pressure and cold area continues to prevail over the Central Rocky Mountain states and southeastward over the Gulf states. It has carried the line of freezing temperature east to North Carolina, and caused heavy frost over the entire cotton belt, and light frost in North Florida. At 7 a. m. the extremes in Texas were 26 degrees at Amarillo and 56 degrees at Brownsville. The coldest for the entire country was 10 degrees above in South Dakota.

Fair weather is indicated tonight and Tuesday in the vicinity of Palestine, with stationary temperature.

G. Hass Hagen,  
Official in Charge.

Tenderness or aching in the small of the back is a serious symptom. The kidneys are suffering. Take Prickly Ash Bitters at once. It is a reliable kidney remedy and system regulator and will cure the trouble before it develops its dangerous tinge.

## BIG SHOW HERE FRIDAY

Arenic Performance Under the Personal Direction of Zack T. Miller. Cowboys Will Do Stunts.

Every department of the 101 Ranch Wild West Show, which will be here on Friday, November 20, is under the direct supervision of one or all of the three Miller Brothers. The 101 brand has always stood for superlative excellence and unblemished integrity, and its owners are seeing to it that the escutcheon is not sullied in the conduct of the big amusement organization which is touring the country.

The active responsibility of the arenic performance is vested in Zack T. Miller, who is fitted by nature and experience for the exacting requirements of the position. Young Mr. Miller is as picturesque a type of the American cowboy as the west has ever yielded. He is educated in the books of the east, but stern and relentless experience has schooled him in the lessons of the prairie. At home, he has full charge of the live stock feature of the ranch. Every horse and every steer is in his charge. He buys and sells and trades; but deals in car loads and whole herds as the small ranchman barter in single animals. All the great southwest concedes that Mr. Miller has no rival as a quick judge of the worth, age, condition, weight or breed of a bovine or equine.

A small army of the crack cowboys of the country are enrolled on the Millers Brothers' list of employees, and to attain and maintain their sure en-



ZACK T. MILLER.

during respect Mr. Miller must needs be their superior in all the varied spheres of physical endeavor in their calling. None is his equal with the rope, with firearms or on horse. Mr. Miller will subdue the most malevolent equine outlaw whom others are afraid even to approach. No equine mood is savage enough to daunt him, and once lodged in saddle no twist or turn or toppling of ranging beast can unseat him. His companions of the range and round-up frequently stand awestruck at his exploits of skill and daring. He can toss the coil of his three-strand lariat with seemingly unerring and infallible accuracy. In gale, in rain or in snow his noose falls swift and sure. With rifle, shotgun or pistol he is a marvel among the famous shots of the ranch, on galloping horse or unmounted. Many trophies of his prowess adorn the 101 Ranch homes, for wild turkeys, quail, wild ducks, wild geese and wolves abound on the 100,000 acres which the Miller Brothers own. Several mounted deer heads testify to the speedy fate which befell antlered animals which crossed his path among the grassy slopes and tree-clad hills.

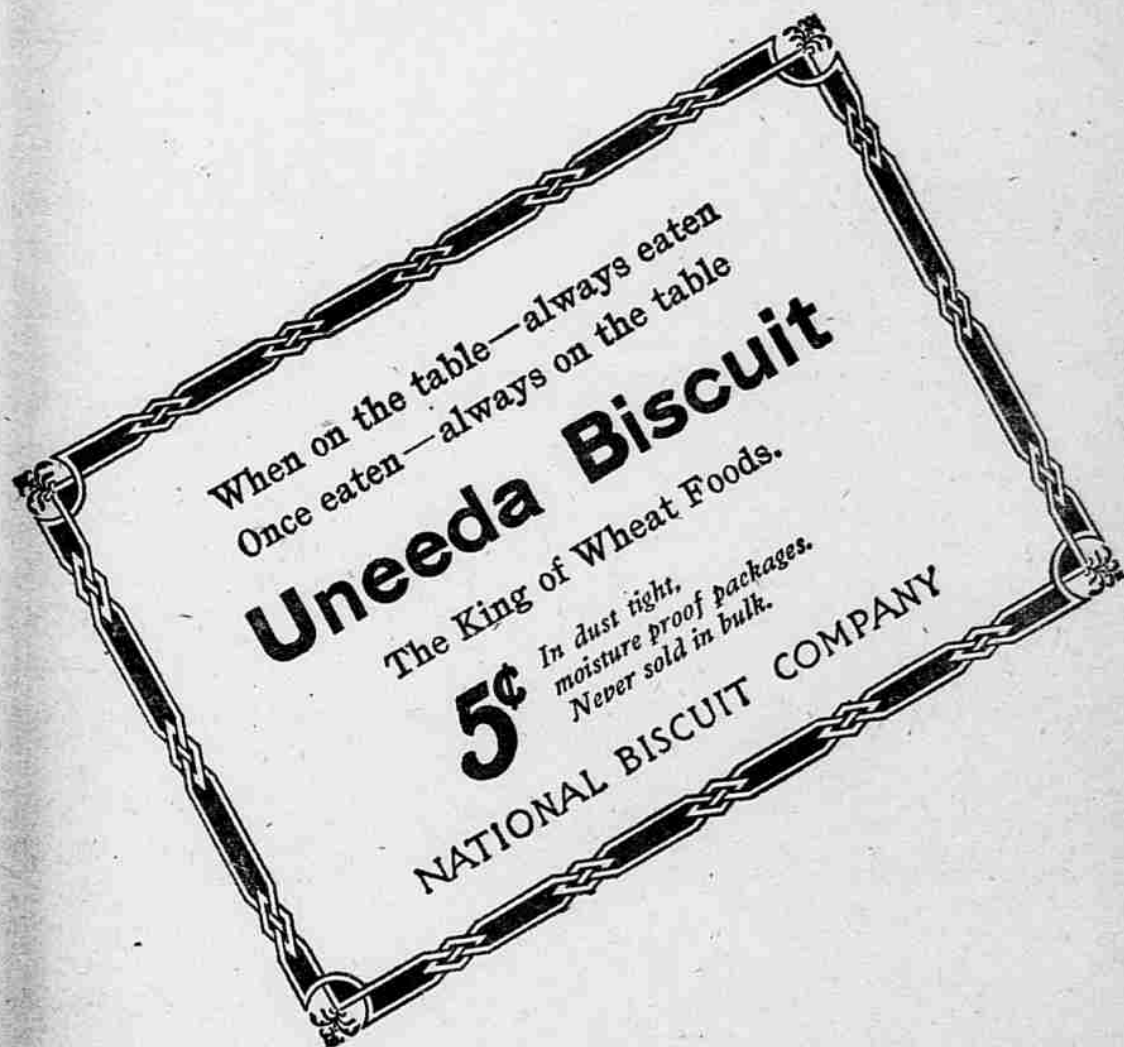
Mr. Miller is a conspicuous figure in all the numbers of the long and varied program of the 101 Ranch Wild West Show performance and leads the long line of mounted men and women in the forenoon street parade. The horse he rides is a full-blooded Arabian steed, imported from the desert straight to the 101 Ranch. It is valued at \$5,000.

**A Prompt Settlement.**  
Palestine, Texas, Nov. 16, 1908.  
Mr. J. W. Ozment, Agent Liverpool, London & Globe Insurance Co., Palestine, Texas.

Dear Sir:—I beg leave to acknowledge receipt of checks for \$2,250.00, covering the insurance on my residence destroyed by fire on the morning of November 1st, 1908.

Please accept my thanks for the promptness with which my loss has been adjusted, also extend same to Mr. Prescott, the adjuster, and the company. Also permit me to state that the checks arrived on Saturday, the 7th of this month, and but for my own neglect in the manner in which the policy read payable, the same would have been settled in seven days after the loss.

Yours very truly,  
A. G. Greenwood.



## COUNTING CONTEST

Given Away \$5,000.00 In Valuable PRIZES

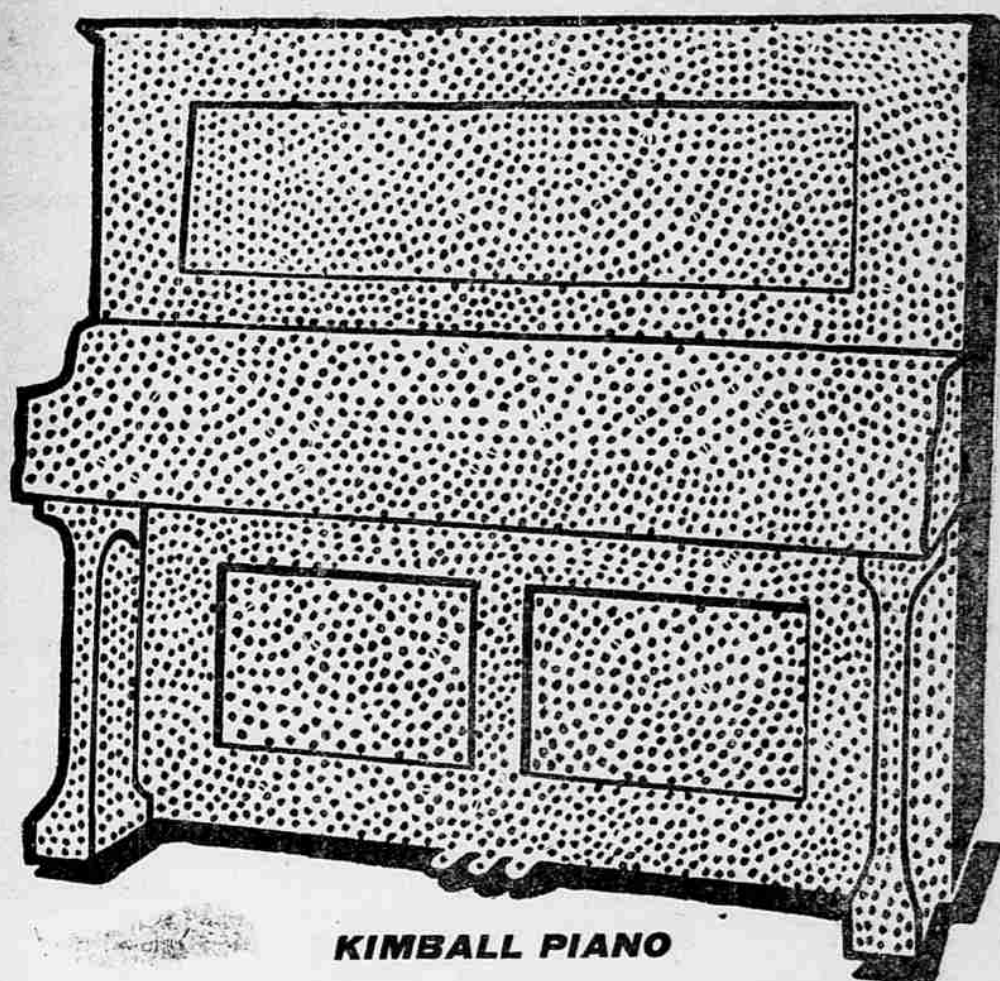
Do You Want to Win a Valuable Prize? If So, Enter the Great Counting Contest of the W. A. LEYHE PIANO CO.

Prizes Will Be Awarded as Follows:

ONE CELEBRATED KIMBALL PIANO, VALUED AT \$450 AS FIRST PRIZE. A HANDSOME \$50 SIX OCTAVE KIMBALL ORGAN, SECOND PRIZE AND A FINE \$100 KIMBALL ORGAN AS THIRD PRIZE AND OTHER PRIZES AMOUNTING IN VALUE TO \$4,300.00 IN ORDER OF MERIT MAKING A GRAND TOTAL OF \$5,000.00.

Remember it costs nothing to try except use of your brains. Our reason for distributing these valuable prizes is

WE ARE HEADQUARTERS FOR HIGH GRADE PIANOS



KIMBALL PIANO

And we want to be thoroughly and favorably known throughout the state as dealers in but one quality, and that the best that money will buy, and we want everybody who is interested in the purchase of a Piano, Organ, Piano Player or Player Piano, Upright or Grand, to investigate. Call at our warehouses, West Ferguson Street, and examine our stock, and give us a chance to prove all we claim.

The conditions under which this great counting contest will be held are as follows:

**IT IS EASY—Just Count the Dots That Appear on the Outlined Kimball Piano**

The correct number of dots will be made known to the judges, who are well-known business men of Tyler, December 1st, and will be wired to the business office of the Courier and Times by the manufacturer. No one else knows it. Each answer will be numbered consecutively as soon as received and will be opened by the following committee: Messrs. L. L. Jester, of the Jester National Bank; J. L. Adams, of the Courier and Times, and T. L. Webb, president Tyler Box factory.

Anyone residing in the United States is entitled to one answer. When more than one answer is received from the same party, all but the first will be discarded.

This contest positively closes Tuesday, Dec. 1, at 6 o'clock p. m. All answers must be written plainly and the coupon filled in, giving name and address. Also state whether you have an Organ, Square or Upright Piano, giving name. No one engaged in the music business nor any one employed by this firm or any other music firm will be allowed to participate in this contest.

More than 1,500 people throughout the state of Texas ATTEST TO OUR FAIR AND HONEST DEALING who have purchased Pianos from us. We carry in stock over 100 Pianos and have the best lines in the state, and the prices on the famous lines of Pianos handled by us are well established and are marked in plain figures, and have been sold here for many years. We are factory distributors for Chickering Bros., Kimball, Davis & Sons, M. Schulz Company, Crown, Packard, Mathushek, Ludwig, Walworth, Irving, Whitney, Hinge and others of established reputation; also Kimball Piano Players, Player Pianos and Crown Combination Pianos. Address all guesses to Contest Department.

W. A. Leyhe Piano Co.:  
The number of dots is .....  
Name .....  
Street .....  
Upright—Square—Organ .....  
Name of instrument .....  
City ..... State .....

**W. A. LEYHE PIANO CO.**  
West Ferguson Street  
TYLER, TEXAS

You get It—  
The Best  
Cutting,  
Fitting and  
Workmanship  
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Tailors  
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